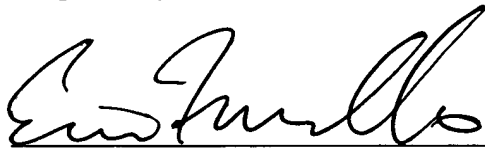Remarks:

Claims 34-66 are pending in this application. Applicant has rewritten claims 1-33 as new claims 34-66 to eliminate multiple dependencies to reduce the filing fee. Applicant has also rewritten the claims to bring them more in line with typical U.S. format and spelling. Furthermore, Applicant has amended the specification to delete reference to the claims. Also, Applicant presents an abstract of the disclosure herewith on a separate sheet.

The undersigned authorizes the Commissioner to charge fee insufficiency and credit overpayment associated with this communication to Deposit Account No. 22-0261.

Respectfully submitted,

Date: 10/7/05

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Abstract of the Disclosure

A method, a system and a computer program product for cardiac analysis. The method includes acquiring an ECG-signal in the form of vectorcardiography, detecting a P-wave from the ECG-signal by a template method and calculating the parameter values of the P-wave preferably continuously during ECG-recording. The method is aimed at dynamic changes of the P-wave, wherein substantially every detected P-wave is compared to the reference P-wave in defined time period. The cardiac analysis system is configured to implement the aforementioned method. The computer program product includes computer program code for implementing the aforementioned method.